

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application. Please amend the claims as shown below.

Claims 1-4 (Cancelled)

5. (Previously Presented) An ion generator comprising:

a casing having an intake port and an exhaust port;
an ionization electrode contained in said casing and including a first platelike pole having a plurality of sawtooth-like pointed ends arranged linearly, and a second pole having a discharge surface defined by a cylinder or a part thereof and its generatrix extended in parallel with the pointed ends of the first pole and wherein pointed ends of said first pole extend in a direction away from said second pole and not toward it; and

a high-voltage generator for applying a high voltage to said ionization electrode.

6. (Currently Amended) An ion generator comprising: according to claim 5

~~a casing having an intake port and an exhaust port;~~
~~an ionization electrode contained in said casing and including a first platelike pole having a plurality of sawtooth-like pointed ends arranged linearly, and a second pole having a discharge surface defined by a cylinder or a part thereof and its generatrix extended in parallel with the pointed ends of the first pole; and~~
~~a high-voltage generator for applying a high voltage to said ionization electrode,~~

wherein each of the pointed ends of said first poles are disposed at plural places arranged peripherally of said second pole as presenting their respective flat surfaces to a peripheral surface of the pole does not extend toward a pointed end of said second pole.

7. (Original) The ion generator as claimed in Claim 5, wherein said first pole is formed with plural lines of pointed ends whereas said second pole is disposed in correspondence to each of the lines of pointed ends.

Claims 8-12 (Cancelled)

13. (Previously Presented) The ion generator as claimed in Claim 5, wherein said first pole is formed from tungsten.

14. (Previously Presented) The ion generator as claimed in Claim 5, which is provided in an air charging system for supplying air to an internal combustion engine.

15. (Previously Presented) The ion generator as claimed in Claim 5, wherein said intake port is provided with a dust filter whereas said exhaust port is provided with a sirocco fan for discharging ionized air.

16. (Previously Presented) The ion generator as claimed in Claim 5, wherein said intake port is provided with a dust filter whereas said exhaust port is provided with an air pump for discharging ionized air.

17. (Previously Presented) The ion generator as claimed in Claim 5, further comprising a solar panel for converting the radiation energy of the solar light to an electrical energy, and a power source section comprising a storage battery for storing the electrical energy.